UI Bulletin #115f

Subject: **Upfitter Circuit Provisions**

Models Affected: Chevrolet Silverado
GMC Sierra

Model Years: 2014 and Beyond

Date: March 20, 2014

Revision Date: January 12, 2018

ADVISORY:

Condition/Concern:

Upfitters may inquire on the new 2014-2015 LD Full-size trucks and for the 2015 HD series as to where to access commonly used circuit for adding aftermarket equipment.

Recommendation:

Commonly utilized circuits are available for use in the ICEM (formally referred to as the Mid-BEC or MBEC) which is located in the LH foot well, near or below the parking brake mechanism (see figure 1)

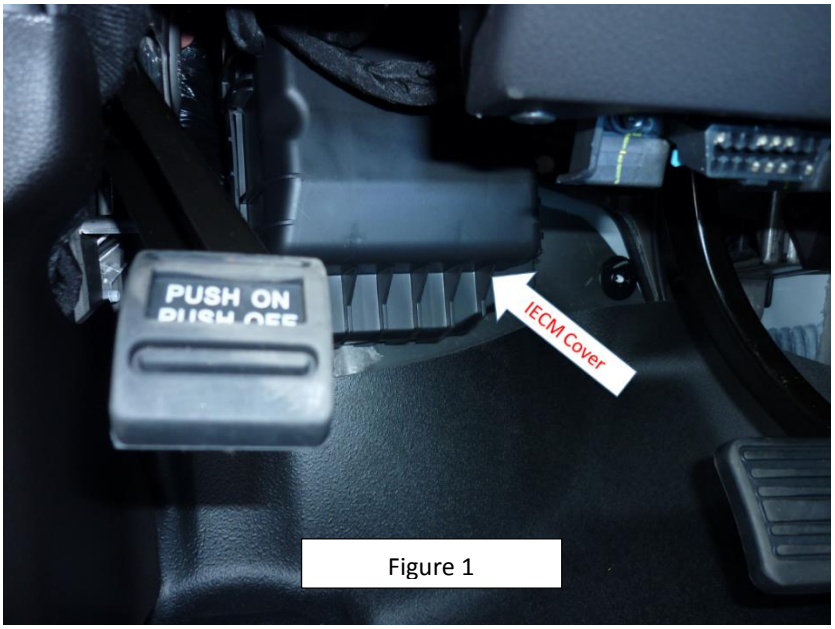

Figure 1

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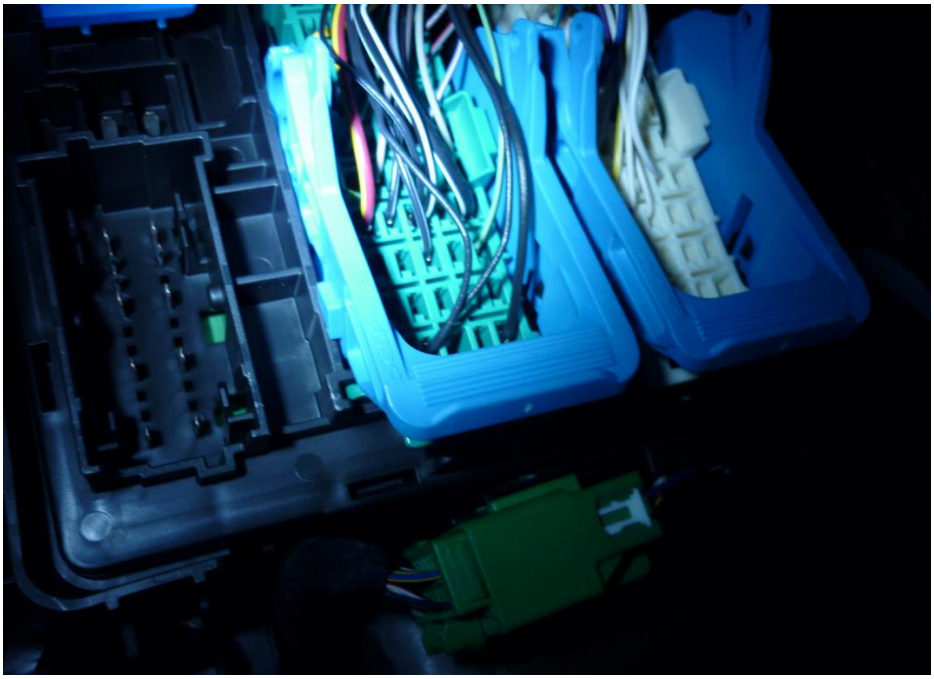

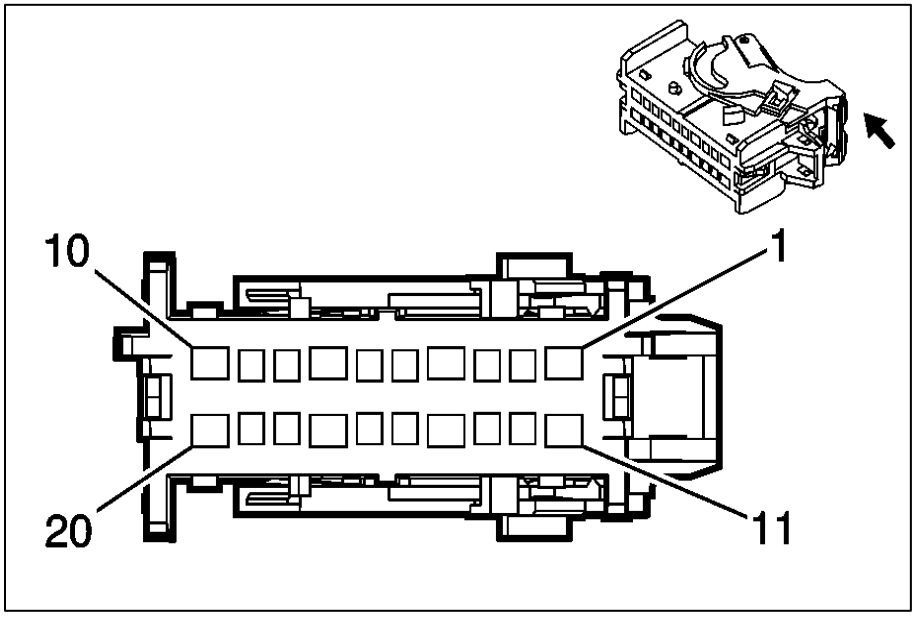

Refer to connector pin–out table for connector and terminal part number information (next page).

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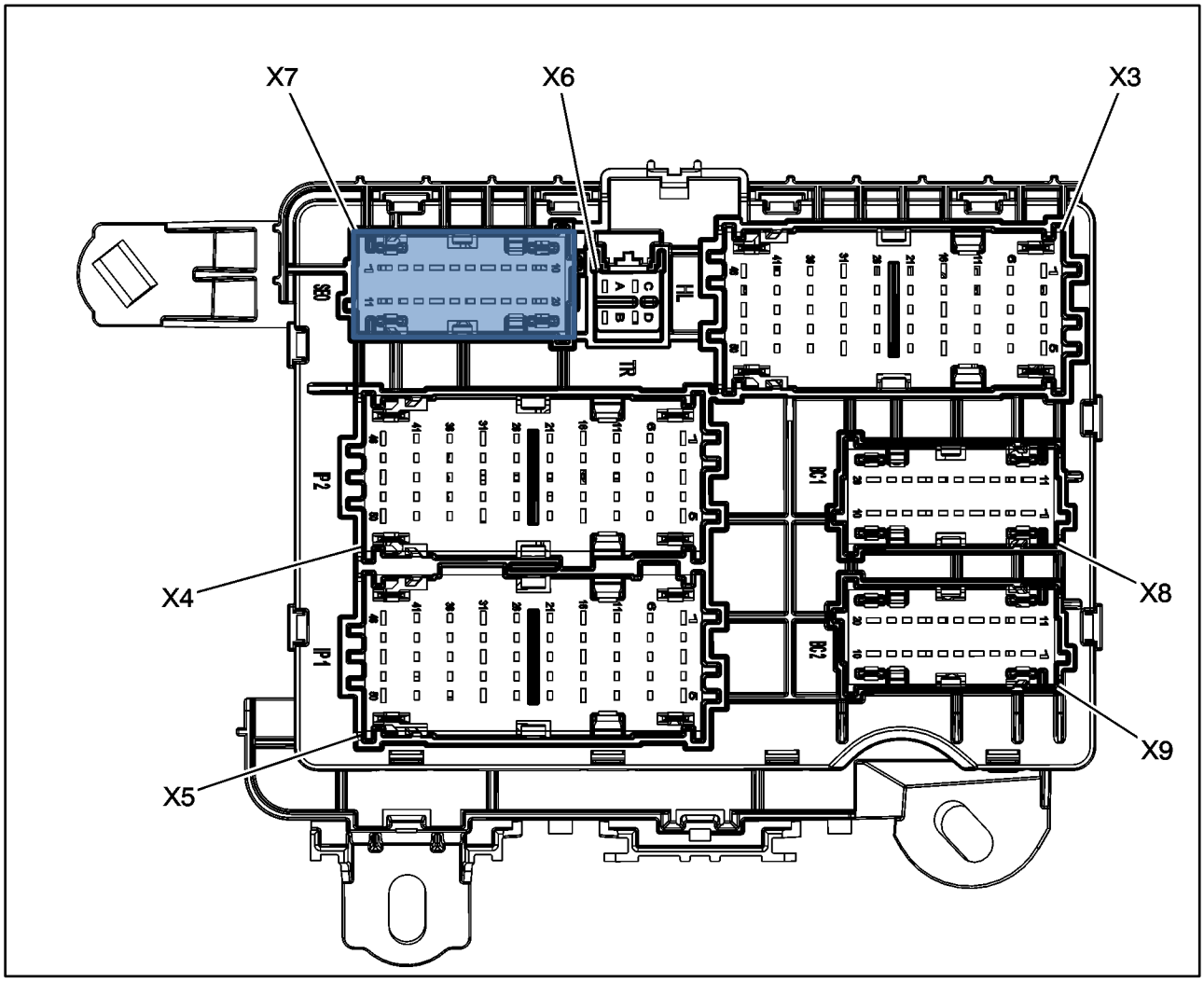
X61A Junction Block Top View



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Connector Part Information

- Harness Type: Upfitter
- OEM Connector: 15547108 (available from www.terminalsandconnectors.com)
- Service Connector: Kit P/N 19328970 Includes Connector body and Lock Lever
- Description: 20-Way F 1.5, 2.8 Series (BK)

Also now available for order at GM dealers

Terminal Part Information

Terminal Type ID	Terminated Lead	Diagnostic Test Probe	Terminal Removal Tool	Service Terminal	Tray	Core Crimp	Insulation Crimp
I	13575832	J-35616-35 (VT)	J-38125-11A	7116-4112-02	9	C	D
II	13578892	J-35616-2A (GY)	J-38125-11A	7116-4101-08	9	E	A

X61A Junction Block - Instrument Panel X7

Pin	Size	Color	Circuit	Function/Fuse Rating	Terminal Type ID	Option
1	0		968	Upfitter Provision (30amp)(Aux. SW 4 output)	I	9L7
2-3	-	-	-	Not Occupied	-	-
4	0		967	Upfitter Provision (30amp)(Aux. SW 3 output)	I	9L7
5-6	-	-	-	Not Occupied	-	-
7	0	RD/YE	2340	Battery Positive Voltage (15 amp)	I	-
8	0	VT/YE	43	Accessory Voltage (10 amp)	II	-
9	0	GN	5060	Low Speed GMLAN Serial Data	II	-
10	0	BK	1050	Ground	I	-
11	0	VT/WH	1939	Run/Crank Ignition 1 Voltage (15 amp)* Note: when using this circuit to activate relay, refer to the relay mechanization on pg. 5	I	-
12-13	-	-	-	Not Occupied	-	-
14	0		966	Upfitter Provision (30amp)(Aux. SW 2 output)	I	9L7
15-16	-	-	-	Not Occupied	-	-
17	0	RD/YE	2340	Battery Positive Voltage (15 amp)	I	-
18	-	-	-	Not Occupied	-	-
19	0	GN/GY	817	Vehicle Speed Signal (4k PPM) see pg. 6	II	-
20	0		965	Upfitter Provision (30amp)(Aux. SW 1 output)	I	9L7

Note: The yellow shaded terminals are available signals for Upfitter usage.

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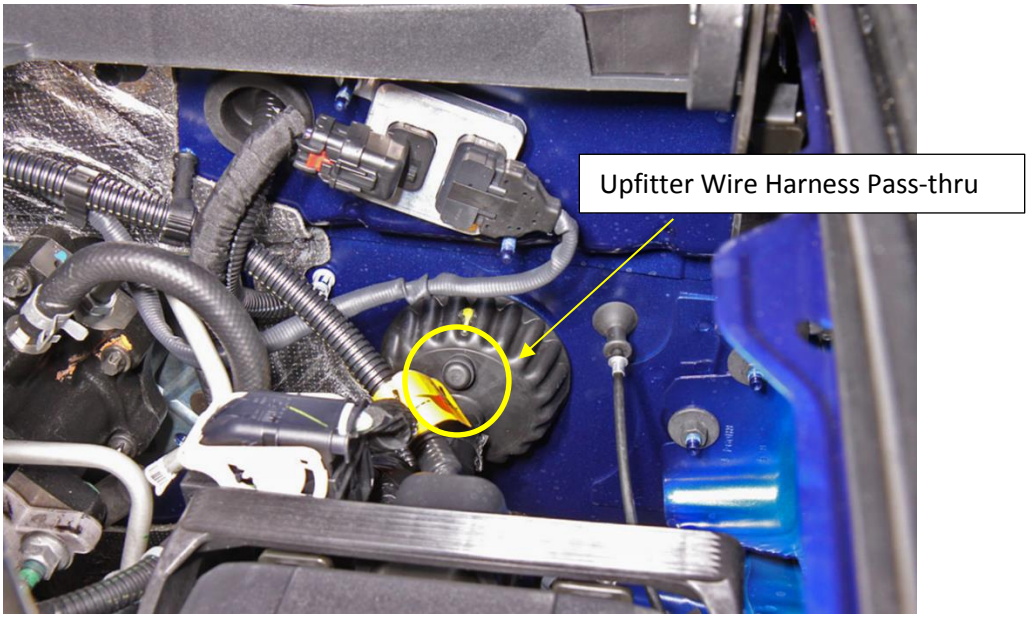
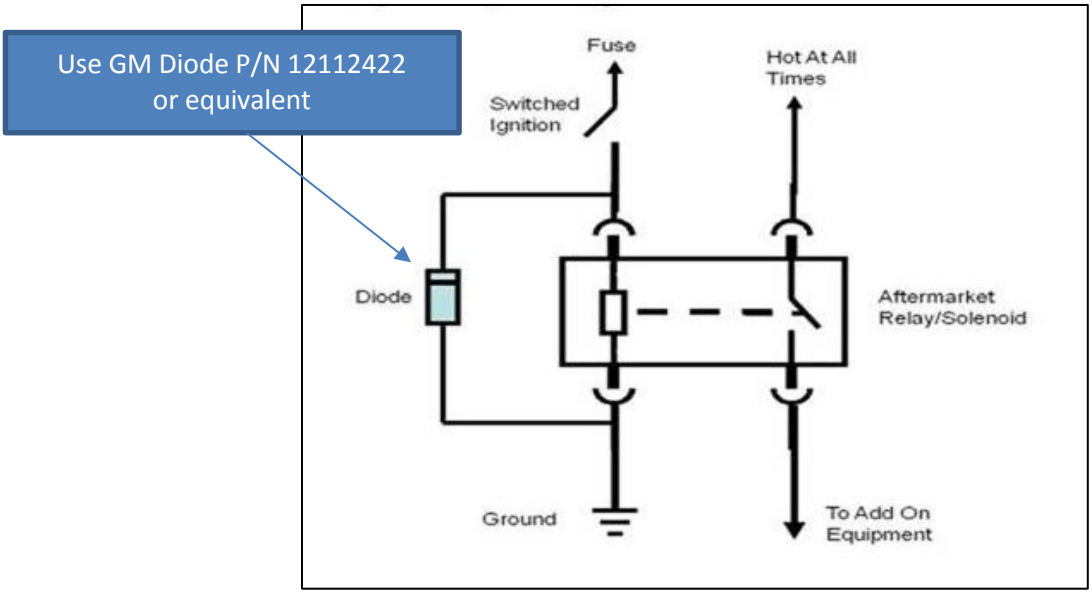
Wire Harness Pass-thru location



To prevent damage to electronic components from voltage spike, use of a diode as shown below is recommended. Components damaged by voltage spikes from added after-market equipment is not covered by the vehicle warranty



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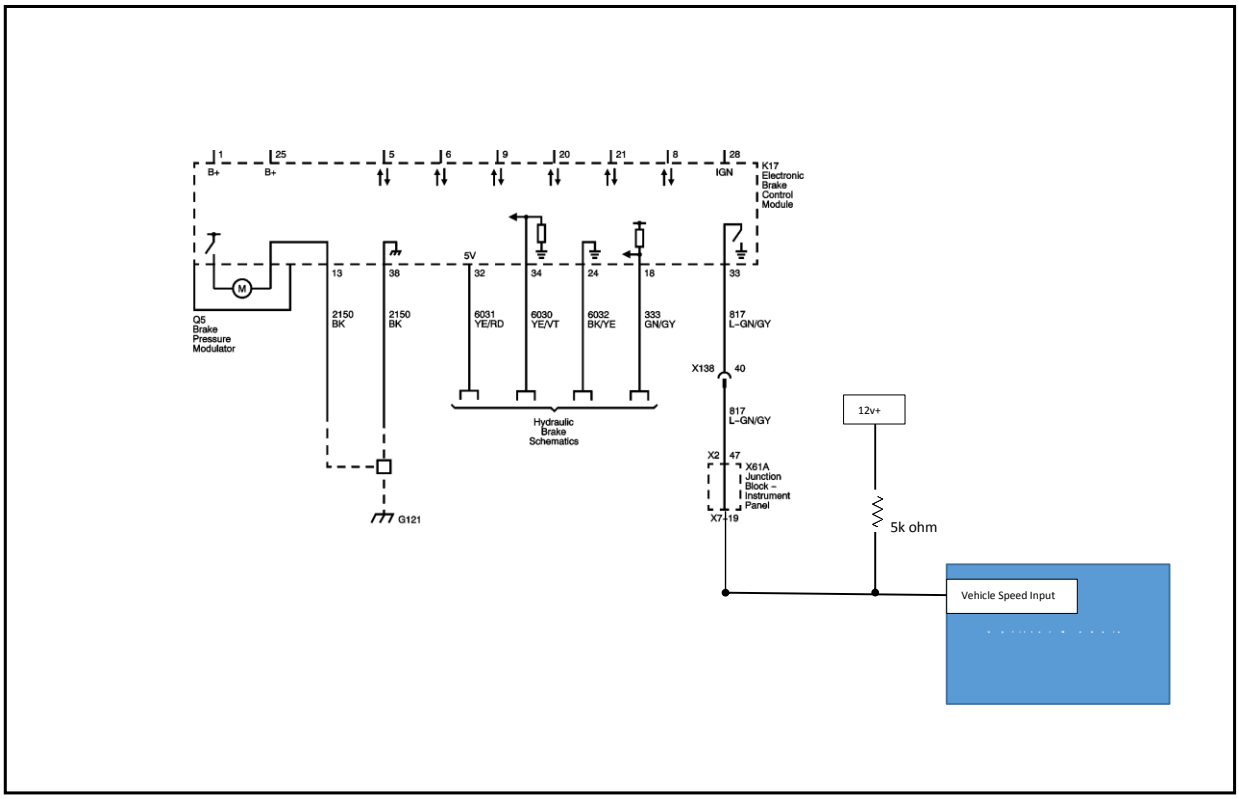
Vehicle Speed Signal Circuit



If your device to which you are providing a Vehicle Speed signal to requires a pulse high you will need to add the mechanization above. The EBCM will pull a high low, but does not provide any high signal. The above will give the high for the EBCM to pull low and when release will provide the upfitter device a high signal when the EBCM releases the circuit. This "pulse" occurs at a rate of 4000 pulses per mile (4k PPM).

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